

Claims.

I claim as follows:

- 36b.21
1. A method for causing a speaker to sound an audible alarm in a portable computer having a cover, a main computer body, a hinge between said cover and said body, and an interrupt vector, said method comprising:
 - a) detecting foldable closing of said cover relative to said body;
 - b) causing an interrupt to occur within said portable computer;
 - c) said interrupt causing branching control to a fixed address in said interrupt vector following said detecting; and
 - d) generating said audible alarm from said speaker following said interrupt.
 2. The method according to claim 1, wherein a computer designer assigns said fixed address in said interrupt vector for interrupt handling said interrupt upon detection of said foldable closing of said cover to said body.
 3. The method according to claim 2, said fixed address in said interrupt vector comprising an original address for branching control of said portable computer upon occurrence of said interrupt upon detection of said foldable closing of said cover to said body.
 4. The method according to claim 3, further comprising a first instruction segment at said original address contained in said fixed address in said interrupt vector, control branching to said instruction segment of said portable computer upon detecting said foldable closing of said cover to said body.
 5. The method according to claim 4, further comprising a second instruction segment.

6. The method according to claim 5 wherein said second instruction segment is located at a second address.
7. The method according to claim 6, wherein said second instruction segment causes said speaker to generate said audible alarm.
8. The method according to claim 7, further comprising trapping said interrupt caused by said foldable closing of said cover of said portable computer.
9. The method according to claim 8, wherein said trapping occurs at boot time.
10. The method according to claim 9, wherein said interrupt is trapped by resetting said original address in said interrupt vector to an indirect address of said second address of said second instruction segment.
11. The method according to claim 10, wherein said detecting of said foldable closing of said cover occurs subsequent to boot time.
12. The method according to claim 11, further comprising detecting whether said speaker is enabled.
13. The method according to claim 12, further comprising detecting whether said alarm is activated by an authorized user.
- 12¹⁴ 14. The method according to claim 13, wherein a volume for said alarm is set by said authorized user.
- 13¹⁵ 15. The method according to claim 14, wherein said authorized user may deactivate said alarm.
- 14¹⁶ 16. The method according to claim 15, wherein said authorized user may select one of a plurality of passwords for deactivating said alarm.
- 15¹⁷ 17. The method according to claim 16, wherein said authorized user may select one of a plurality of hot-keys for deactivating said alarm.

¹⁶ 18. The method according to claim ¹⁶ 17, wherein said authorized user may activate said alarm.

¹⁷ 19. The method according to claim ¹⁶ 18, wherein said authorized user may select one of a plurality of passwords for activating said alarm.

¹⁸ 20. The method according to claim ¹⁶ 19, wherein said authorized user may select one of a plurality of hot-keys for activating said alarm.

Sub. a2
21. A method for causing a speaker to sound an audible alarm in a portable computer having a cover, a main computer body, a hinge between said cover and said main computer body, a status location indicating foldable closing of said cover against said body, and an instruction segment, said method comprising;

- a) polling said status location to detect said foldable closing of said cover against said main computer body;
- b) causing execution of said instruction segment following detection of said status location indicating said foldable closing of said cover against said main computer body; and
- c) said instruction segment generating said audible alarm.

22. The method according to claim 21, further comprising detecting said whether speaker is enabled.

23. The method according to claim 22, further comprising detecting whether said alarm is activated by an authorized user.

20 24. The method according to claim ²⁰ 23, wherein a volume for said alarm is set by said authorized user.

21 25. The method according to claim ²⁰ 24, wherein said authorized user may deactivate said alarm.

22 26. The method according to claim ²¹ 25, wherein said authorized user may select one of a

plurality of passwords for deactivating said alarm.

²³ 21. The method according to claim ²¹23, wherein said authorized user may select one of a plurality of hot-keys for deactivating said alarm.

²⁴ 28. The method according to claim ²⁰24, wherein said authorized user may activate said alarm.

²⁵ 28. The method according to claim ²⁴25, wherein said authorized user may select one of a plurality of passwords for activating said alarm.

²⁶ 28. The method according to claim ²⁴26, wherein said authorized user may select one of a plurality of hot-keys for activating said alarm.

09523812-034000